

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 13, line 7 with the following rewritten paragraph:

In one preferred embodiment in accordance with the subject invention, molecular recognition system 80 includes a resistive sensor and molecular imprinted resistive sensor pair for each analyte of interest. For example, as shown in Fig. 8, resistive sensors 100, 102 and 104 are electrically connected in parallel and paired with molecular imprinted resistive sensors 106, 108 and 110 respectively, which are mounted on non-conductive substrate 200. Specifically, resistive sensor 100 is paired with molecular imprinted resistive sensor ~~102~~106 for detecting analyte 112, resistive sensor 102 is paired with molecular imprinted resistive sensor 108 for detecting analyte 114, and resistive sensor 104 is paired with molecular imprinted resistive sensor 110 for detecting analyte 116. The result is that molecular recognition sensor system 80 of the subject invention can detect a plurality of analytes and/or analytes concentrations in a simple, compact, easy to use design.